

## ASC BLADE ANGLE SETTING

**First step** is to determine what your desired droplet size is in microns, then discover the required RPM needed to make that droplet.

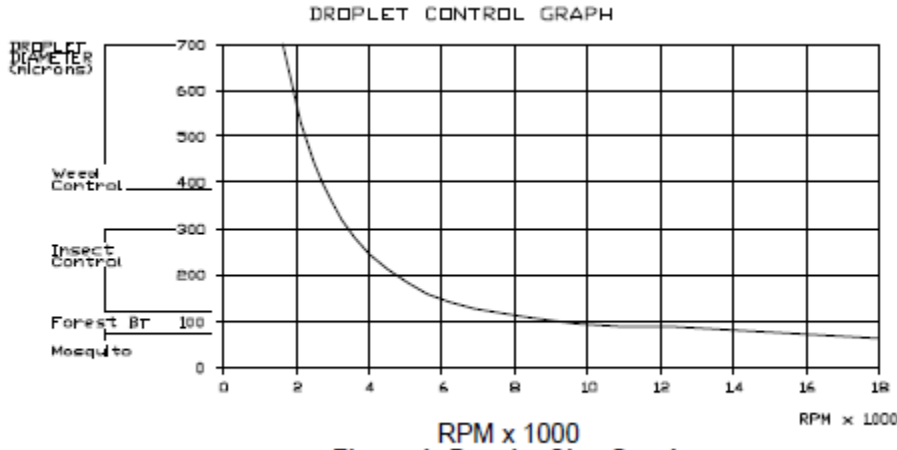


Figure 1- Droplet Size Graph

**Second step** is to look at the speed of your spraying aircraft, and go across the chart below to find your RPM setting from the previous chart.

### 6. Airspeed vs. Blade angle = RPM – Control Chart:

MPH	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM
Blade	#1	#2	#3	#4	#5	#6	#6+1/2	#6+1	#6+2
60	560	1020	1620	2365	2640	3345	3800	4925	6040
65	570	1110	1640	2390	3061	3856	4170	5620	6250
70	580	1220	1740	2430	3190	4065	4250	6080	7030
75	620	1275	1890	2480	3310	4315	4380	6480	7460
80	640	1305	1960	2560	3400	4900	4950	6670	7920
85	700	1375	2150	2650	3560	5010	5390	6880	8400
90	760	1430	2320	2800	3970	5500	5960	7590	9120
95	790	1540	2400	2920	4200	6100	6300	8930	9550
100	810	1620	2520	3160	4360	6450	6580	9260	10190
105	830	1695	2640	3250	4700	6600	6800	9410	10480*
110	850	1750	2700	3490	4810	7260	8040	9660	11300*
115	950	1855	2800	3640	5200	7700	8360	10400	11700*
120	1010	2014	3065	4030	5480	8080	8450	10660*	12100*
125	1030	2058	3190	4250	5740	8320	8760	11680*	12810*
130	1092	2190	3280	4540	6350	9040	9080	12420*	13100*
135	1140	2280	3430	4680	6740	9520	9600		
140	1190	2380	3600	4710	7090	10310	10420		
145	1245	2460	3750	4960	7270	10520*	10850*		
150	1310	2550	3830	5240	7610	10700*	11200*		
155	1355	2650	3960	5300	7790	10900*			
160	1415	2750	4090	5560	7850	11200*			
165	1515	2860	4210	5670	7960	11500*			
170	1570	2960	4390	5840	8500	11800*			
175	1670	3060	4640	6140	8680	12100*			
180	1750	3210	4870	6240	8980				
185	1790	3305	5010						

\*Indicates the never exceed RPM. 10,000 is recommended as maximum continuous.

Table 5- Airspeed vs. Blade Angle

Source: ASC Instruction Manual for Operation and Maintenance